



CARLSON ENVIRONMENTAL, INC.

July 23, 1999

PN 9566B

Mr. John O'Grady  
Removal Project Manager  
Office of Superfund (SR-6J0)  
U.S. EPA Region 5  
77 West Jackson Boulevard  
Chicago, Illinois 60604

RE: Final Plan Documents  
Fansteel, Inc.  
Number One Tantalum Place  
North Chicago, Illinois

EPA Region 5 Records Ctr.



229907

Dear Mr. O'Grady:

Enclosed are two copies of the plans listed below, prepared for the above-referenced site. Upon approval of these plans, Carlson Environmental, Inc. (CEI) is prepared to mobilize within two weeks to begin the site field activities. CEI notes that, based on the backfilling schedule for the Vacant Lot Site, there may be a delay in installing the six monitoring wells planned on the eastern border of the Vacant Lot Site.

1. Site Investigation Work Plan, Version 2.1 dated July 1999 and prepared by CEI. This has been revised to remove the sampling of the portion of Pettibone Creek that is located on the Vacant Lot Site. In addition, the volatile organic compound sampling will be performed using field preservation techniques in accordance with EPA Method 5035 rather than the EnCore samplers, as previously proposed. Lastly, the tables have been revised to be consistent with CEI's *QAPP*.

2. Quality Assurance Project Plan (QAPP), Version 1.2 dated July 1999, and prepared by CEI. The *QAPP* has been revised to ensure consistency with the *Site Investigation Work Plan*. Additionally, Section 7.0 of the *QAPP* indicates that Sequoia Analytical will be performing the project-required tantalum analysis, rather than Great Lakes Analytical. The relationship between Sequoia Analytical and Great Lakes Analytical is described in Section 7.0 and the letter from Great Lakes Analytical which is included as Appendix D.

3. Quality Assurance Program (QAP), Revision 5.7 dated February 18, 1998, and prepared by Great Lakes Analytical. Attached to the *QAP* are three letters which respond to the EPA comments and a letter from Great Lakes Analytical describing its relationship with Sequoia Analytical, the laboratory that will perform the project-required tantalum analysis. Attached are the most recent versions of Great Lakes Analytical's standard operating procedures (SOPs)



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July 23, 1999

Page 2

and Sequoia Analytical's SOPs for the tantalum analysis. The SOPs have been revised to incorporate the EPA comments. The attached SOPs are ordered by method number.

Please feel free to contact me at (312) 704-8843 if you have any questions or comments as you review the enclosed materials.

Respectfully submitted,

CARLSON ENVIRONMENTAL, INC.

Margaret M. Karolyi, P.E.  
Senior Project Manager

cc: Mr. Jonathan Jackson, Fansteel  
Mr. Mark Steger, McBride, Baker & Coles

enclosures